

NO: 18), LPIX-17 (SEQ ID NO: 19), LPIX-18 (SEQ ID NO: 20), LPIX-19 (SEQ ID NO: 21), LPIX-20 (SEQ ID NO: 22), LPIX-21 (SEQ ID NO: 23), LPIX-22 (SEQ ID NO: 24), LPIX-23 (SEQ ID NO: 25), LPIX-24 (SEQ ID NO: 26), LPIX-26 (SEQ ID NO: 28), and LPIX-27 (SEQ ID NO: 29) (the sequences of which are shown in Fig. 2). In addition, X_n are amino acid residues contiguous to the amino terminus of Y in the amino acid sequence of the protein allergen and Z_m are amino acid residues contiguous to the carboxy terminus of Y in the amino acid sequence of the protein allergen. In the formula, n is 0-30 and m is 0-30. Preferably, the peptide or portion thereof has a mean T cell stimulation index equivalent to greater than the mean T cell stimulation index of Y as shown in Fig. 4. Preferably, amino acids comprising the amino terminus of X and the carboxy terminus of Z are selected from charged amino acids, i.e., arginine (R), lysine (K), histidine (H), glutamic acid (E) or aspartic acid (D); amino acids with reactive side chains, e.g., cysteine (C), asparagine (N) or glutamine (Q); or amino acids with sterically small side chains, e.g., alanine (A) or glycine (G). Preferably n and m are 0-5; most preferably n + m is less than 10. *¶*

REMARKS

The SEQ ID NOs within the specification have been amended to agree with the sequence listing. No new matter has been added to the application.

Attached hereto is a marked-up version of the changes made to the application by the current amendment. The attached page is captioned "Version with Markings to show changes made."

CONCLUSION

In view of the foregoing remarks, the application is in condition for allowance. If a telephone conversation with Applicants' Attorney would expedite the prosecution of the above-identified application, the Examiner is urged to call Applicants' Attorney at (617) 227-7400.

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Respectfully submitted,

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